

Patent Claims

1. A statistical testing method for the objective verification of auditory steady-state responses (ASSR) in the frequency domain by using a "q-sample uniform scores test" whereby only the phase angles are used.

2. A statistical testing method according to claim 1, whereby phase angles are used which are calculated by Fourier transformation.

3. A statistical testing method for the objective verification of auditory steady-state responses (ASSR) in the frequency domain by using a "q-sample uniform scores test" whereby spectral amplitudes and phase angles are used, but wherein phase angles remain unranked while ranks for the spectral amplitudes are still taken into account for the test.

4. A statistical testing method for the objective verification of auditory steady-state responses (ASSR) in the frequency domain by using a "q-sample uniform scores test" whereby the values of the phase angles and of the spectral amplitudes, which are calculated by Fourier transformation, are used directly (unranked).

5. A statistical testing method for the objective verification of auditory steady-state responses (ASSR) in the frequency domain by using

a "q-sample uniform scores test" according to one of the above-mentioned claims whereby the testing method is a part of a computer program which is stored in a storage medium, such as a diskette, CD-ROM, a hard drive or the like.

6. A testing device to carry out a statistical testing method for the objective verification of auditory steady-state responses (ASSR) in the frequency domain by using a "q-sample uniform scores test" having a computer program comprising one or a plurality of the above-mentioned functionalities.